



RECEIVED
CENTRAL FAX CENTER
JUN 21 2005

PHILADELPHIA
One Liberty Place, 46th Floor
Philadelphia, PA 19103
215-568-3100
Fax: 215-568-3439
SEATTLE
999 Third Avenue, Suite 1606
Seattle, WA 98104
208-332-1380
Fax: 208-624-7317

FACSIMILE

DATE: June 21, 2005
OFFICIAL PAPER

JOB CODE: 250418

Please deliver this and the following pages to:

Examiner: **Venkataraman Balasubramanian**
U.S.P.T.O. Group Art Unit: **1624**
Telecopier No.: **703-872-9306**
U.S. Serial No.: **10/649,017**
Client/Matter No.: **JANS-0035/JAB-1426-USA-DIV**
Sender's Name: **David N. Farsion**
Pages to Follow: **5**

If transmission is not complete, please call our Philadelphia Office at (215) 568-3100.

COVER MESSAGE:

OFFICIAL FACSIMILE. PLEASE DELIVER TO EXAMINER IMMEDIATELY.

Attached hereto is/are the following documents:

- 1) Communication Under 37 CFR 1.312 Concerning Initialled 1449 Form
- 2) An English-language summary of reference #17

THIS MESSAGE IS INTENDED ONLY FOR THE USE OF THE INDIVIDUAL OR ENTITY TO WHICH IT IS ADDRESSED AND MAY CONTAIN INFORMATION THAT IS PRIVILEGED, CONFIDENTIAL AND EXEMPT FROM DISCLOSURE UNDER APPLICABLE LAW. IF THE READER OF THIS MESSAGE IS NOT THE INTENDED RECIPIENT, OR THE EMPLOYEE OR AGENT RESPONSIBLE FOR DELIVERY OF THE MESSAGE TO THE INTENDED RECIPIENT, YOU ARE HEREBY NOTIFIED THAT ANY DISSEMINATION, DISTRIBUTION OR COPYING OF THIS COMMUNICATION IS STRICTLY PROHIBITED. IF YOU HAVE RECEIVED THIS COMMUNICATION IN ERROR, PLEASE NOTIFY US IMMEDIATELY BY TELEPHONE AND RETURN THE ORIGINAL TO US AT THE ABOVE ADDRESS VIA THE U.S. POSTAL SERVICE. THANK YOU.

Woodcock Washburn LLP
A Partnership Including Professional Corporations
www.woodcock.com

RECEIVED

JUN 21 2005

DOCKET NO.: JANS-0035/JAB-1426/USA/DIV

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Confirmation No.: 5916

Bart De Corte, et al.

Serial No.: 10/649,017

Group Art Unit: 1624

Filing Date: August 27, 2003


Examiner: V. Balasubramanian

For: 2,4-Disubstituted Triazine Derivatives

CERTIFICATE OF FACSIMILE TRANSMISSION

DATE: 6/21/05

I HEREBY CERTIFY THAT THIS PAPER IS BEING
FACSIMILE TRANSMITTED TO THE PATENT AND
TRADEMARK OFFICE TO FACSIMILE NUMBER 703-
872-9306 ON THE DATE LISTED ABOVE.


David N. Fursiou REG. NO. 44,104

Mail Stop: Issue Fee
Commissioner For Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

COMMUNICATION UNDER 37 CFR 1.312
CONCERNING INITIALLED 1449 FORM

Applicants submitted an **Information Disclosure Statement** to the U.S. Patent Office on **December 28, 2004**. The Examiner did not initial **Reference #17**, because no English translation was available.

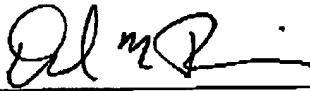
An English-language summary of **Reference #17** was re-submitted to the Examiner on **May 17, 2005**, so that the reference and summary could be considered by the Examiner and made of record. A duplicate copy of that English-language summary is faxed herewith for the convenience of the Examiner.

DOCKET NO.: JANS-0035/JAB-1426 - 2 -

PATENT

Applicants respectfully request that the Examiner initial **Reference #18**, the English-language Abstract for originally submitted **Reference #17**, listed on the enclosed 1449 Form, and return the initialed 1449 form to the undersigned before the issue fee due date of September 6, 2005.

Date: 6/21/05



David N. Farsiou
Registration No. 44,104

Woodcock Washburn LLP
One Liberty Place - 46th Floor
Philadelphia PA 19103
Telephone: (215) 568-3100
Facsimile: (215) 568-3439

English Summaries of the Papers
掲載論文英文要旨

Kobunshi Kagaku, Vol. 30, No. 344 (1973)

[Original Papers]

Influence of Die Angle on Hydrostatic Extrusion of Solid Polyethylene*

KAZUO NAKAYAMA** and HISAKI KANEZUMA**

**Research Institute for Polymers and Textiles (Sumitani 4, Kanagawa-ku, Yokohama) [Kobunshi Kagaku, 30 (344), pp. 713-719 (Dec., 1973)]

*Hydrostatic Extrusion of Solid Polymers. I

Hydrostatic extrusion of high-density polyethylene in the solid phase was investigated using dies of various cone angles in terms of effects of the extrusion temperature and the extrusion ratio on the extrusion pressure and the appearance of extrudate. Extrusion pressure-displacement curves could be classified into three groups. Highly oriented extrudates of smooth surface were obtained by the steady-state extrusion. For the extrusion at lower temperature with use of a larger angle die, the 'stick-slip' motion was observed. The stick-slip motion caused fluctuations in the diameter of the extrudate along its length. At high extrusion ratio, a drastic stick-slip motion generated cracks in the extruded product. When extrusion was carried out through a small angle die at a constant pressure, an extrudate with an excellent smooth surface was obtained.

KEY WORDS Hydrostatic Extrusion/Polyethylene/Extrudate/Die Angle/Extrusion ratio/Extrusion Pressure/Temperature of Extrusion/Rate of Extrusion/Stick-slip/Degree of Orientation/

Synthesis and Polycondensation of 2,4-Bis(*p*- and *m*-aminobenzilino)-6-substituted-*s*-triazine

YASUO YAMAZAKI and YASUHI OSAKA**

**Department of Fiber and Polymer, Nagoya Institute of Technology (Gokiso, Showa-ku, Nagoya) [Kobunshi Kagaku, 30 (344), pp. 720-726 (Dec., 1973)]

2,4-Bis(*p*- or *m*-aminobenzilino)-6-phenyl (or methyl)-*s*-triazines were synthesized by the reduction of the corresponding dinitro-compounds. 2,4-Bis(*p*- or *m*-aminobenzilino)-*s*-triazine was prepared by the reaction of *N**, *N**-bis (aminophenyl) biguanide with methyl formate. New polyamides containing *s*-triazine ring in the main chains (polyamidoguanamides) were synthesized by the low temperature solution polycondensation of the above diamines with terephthaloyl chloride or isophthaloyl chloride. Their preparations and physical properties were discussed.

KEY WORDS Polyamide/*s*-Triazine/Guanamine/Polycondensation/Polyamidoguanamine/

Crack Propagation by Bending Fatigue of Glass Fiber Reinforced Nylon 6 Plastics (The case of notched specimen)

ETSUHI INOUE** and MEGUMU SUZUKI**

**Kyoto University of Industrial Art and Textile (Matagasaki, Sakyo-ku, Kyoto) [Kobunshi Kagaku, 30 (344), pp. 727-736 (Dec., 1973)]

In order to clarify the arrest effects by glass fibers and the influence on physical properties of the matrix during drying treatment caused by crack propagation for notched specimen of glass fiber reinforced nylon 6 which containing discontinuous short fibers (FRTP), *S*-*N* relation, the relations of crack length and propagating rate-number of repetitions and the stress intensity factor-crack propagating rate were investigated in view points of relationship between glass fiber contents and fiber orientation.

The following results were obtained: The specimen with its long side corresponding to the flow direction had a good nature in arresting fatigue crack propagation. This tendency has improved with increasing fiber contents and was independent on the change in physical properties of the matrix. The specimen with cutting direction perpendicular to the flow direction had less arresting effects than above specimen and had a strong influence of drying treatment on fatigue properties. Therefore, in using of this materials attention had to pay to

Kobunshi Kagaku, Vol. 30, No. 344 (Dec., 1973)

(767)